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ABSTRACT

This is a resource book for four major areas of study: basic astronomy, a star's life, the planets, and the atmosphere. The activities and demonstrations included can be done in a classroom setting during the day by using readily available materials. Topics covered include: refracting and reflecting telescopes, star finder, circumpolar constellations, solar eclipses and coronas, solar paradox, Moon craters, size of the Moon, Earth-Moon rotation, the spin of the earth, space and matter, twinkling of stars, dust clouds in space, Algol, space navigation, finding direction by the stars, comets, night and day, star birth, the Sun as a star, white dwarfs, supernovae, pulsars, black holes, the planets and the solar system, atmospheric gas content and pressure, space environment, spacecraft, the Tyndall effect, shock waves, and molecules in motion. (JRH)

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